Fisheries Information System (FIS)

Trip Data Reconciliation

Phase III

Project Sponsor: Data Reconciliation Professional Specialty Group

Project Manager: John Childers

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Project Description

The Trip Data Reconciliation, Phase III project will enhance a web-based application that allows for more efficient reconciliation of parallel data sets. The new enhancements include:

- Expansion of data structures to support multiple source and target data sets
- Production of discrepancy reports for corrective actions
- Creation of an integrated database that consists of a comprehensive, best quality synthesis of reconciled data sets
- Creation of a ‘Best Practices’ document describing common procedures used in the reconciliation of fisheries data sets.

Project Objectives

- Provide regional data managers with the capability to reconcile disparate data sets containing the same data.
- Provide reconciled, “best of breed” data to fishery managers
- Develop guidelines for reconciliation procedures that are applicable to fishery data management programs.

Staff Involvement

- Jay O'Leary / Artech Consulting Group (Contractor)
- Daryl Bullock / Science and Technology
- Tim Haverland / Science and Technology
- Steve Turner / Southeast Fisheries Science Center
- Neil Baertlein / Southeast Fisheries Science Center
- Dave Donaldson / GulfFIN
- John Childers / Southwest Fisheries Science Center
- Jennifer Mondragon / Alaska Regional Office
- Jan Pappas / Pacific Islands Fisheries Science Center
- Eric Forney / Pacific Islands Regional Office
- David Hamm / Pacific Islands Fisheries Science Center
- Gerry Kobylinski / California Department of Fish & Game

Project Approach

- Identify additional data sets needing reconciliation
- Modify existing data structures to accommodate additional data sets
- Develop discrepancy reports
- Document commonly used reconciliation procedures (matching routines and selection criteria)
- Produce/provide ‘reconciled’ data sets that are a synthesis of input data sets

Accomplishments/Outcomes

- List of additional data sets needing reconciliation
- A restructured system capable of reconciling multiple source and target data sets
- Discrepancy reports that can be used for corrective actions
- A new ‘reconciled’ data set
- Documentation of ‘Best Practices’

Key Benefits

- Improved data quality of fisheries data
- Identify and utilize the best available data
- Develop and improve guidelines and reconciliation procedures used by local data managers throughout fisheries agencies
- Increase efficiency of local systems by identifying key relationships
- Provide a tool that can be used by data managers to improve the data they are responsible for.

Future Plans

- Generalize the regional implementations of the Trip Data Reconciliation system to accommodate a wider range of fisheries data set reconciliations.
- Make the system manageable at local levels
- Improve documentation of guidelines and best practices used when reconciling fisheries data sets.
- Improve local data management through enhanced communication and collaboration between and among regional data managers

Questions?